

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A textile construction, comprising:
a conductive elastomeric material suitable for converting an interaction therewith into a signal; and
an actuator cooperative with said conductive elastomeric material to provide a user interface such that a user interaction with the actuator is translated to said conductive elastomeric material to produce said signal, wherein said actuator is separate from said conductive elastomeric material and is configured for user interaction to produce said signal and wherein said actuator is formed from one or more of a plastic and rubber.

2. (Previously presented) The textile construction of claim 1, wherein one or more characteristics of said conductive elastomeric material change in response to said interaction.

3. (Previously presented) The textile construction of claim 1,

wherein said conductive elastomeric material has piezoelectric characteristics.

4. (Previously presented) The textile construction of claim 1, wherein said conductive elastomeric material comprises one or more of a polypyrrole/lycra, a polypyrrole/nylon, a polypyrrole/polyester, or other conjugated polymer, or ion-implanted polymer.

5. (Previously presented) The textile construction of claim 1, wherein said conductive elastomeric material can have one or more of the following: a flexible metal coated fabric including woven, non-woven, and/or knit, filaments, foils, and yarns, a conductive polymer coated fiber/fabric, a conductive graphitized fiber/fabric, and a conductive gel coated fiber/fabric.

6. (Previously presented) The textile construction of claim 1, wherein said actuator is formed from a material that is more rigid than said conductive elastomeric material.

7. (Previously presented) The textile construction of claim 1,

wherein said actuator is formed from rubber.

8. (Previously presented) The textile construction of claim 1, wherein said actuator depicts a response to interaction with said user interface.

9. (Previously presented) The textile construction of claim 1, wherein one or more characteristics of said conductive elastomeric material change in proportional response to said interaction, said interaction causing one or more areas of said conductive elastomeric material to be displaced.

10-20. (Canceled)

21. (Previously presented) The textile construction of claim 1, wherein said actuator is cooperative with one or more conductive areas.

22. (Previously presented) The textile construction of claim 21, wherein one or more characteristics of said one or more conductive areas change in response to an interaction with said actuator.

23. (Previously presented) The textile construction of claim 22, wherein a displacement ratio between said one or more conductive areas is used to quantify at least one of a degree of said interaction, a speed of said interaction, and a rate of said interaction.

24. (Currently amended) The textile construction of claim 1,
~~wherein said interaction causing wherein said actuator is in contact with said conductive elastomeric material such that said interactions causes one or more areas of said conductive elastomeric material to be displaced without requiring a lateral displacement of said actuator.~~

25. (Previously presented) The textile construction of claim 1, wherein said user interface is operable for manipulation of one or more functionalities requiring proportional input.

26. (Previously presented) The textile construction of claim 1, wherein said user interface is operable for manipulation of two or more functionalities.

27. (Previously presented) The textile construction of claim 1, wherein said user interface is operable for manipulation of three or more functionalities.

28. (Currently amended) The textile construction of claim 1, wherein said conductive elastomeric material is formed from conductive fibers having a conductive ~~threadlike~~-core.

29. (Currently amended) The textile construction of claim 28, wherein said conductive fibers include a conductive semi-fluid sleeve enclosing said conductive ~~threadlike~~-core.

30. (Currently amended) The textile construction of claim 29, wherein said conductive semi-fluid sleeve and said conductive ~~threadlike~~-core are bonded together through sonic welding.

31. (Previously presented) The textile construction of claim 1, wherein said conductive elastomeric material is formed from conductive fibers including a conductive semi-fluid sleeve.